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1005,574



PATENT SPECIFICATION

DRAWINGS ATTACHED

1005,574

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COMPLETE SPECIFICATION

A Tool Box Provided with an Alarm Signal

We, YOSHIO NAGASHIMA and KAZUO SUZAKI, both Japanese citizens and both of No. 70, Kakamachi 2-chome, Kawaguchi city, Saitama Prefecture, Japan, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a tool box provided with an alarm signal.

According to the invention we provide a tool box which is provided with an alarm signal, in which on opening a cover for the tool box, a signal board attached to or forming part of this cover is protrudable, manually or automatically.

The main object of this invention is to assure the safety of, for example, people repairing damaged parts of an automobile on the road and to prevent the confusion of traffic, by noticing suitable warning signals which are set up at a suitable height, manually or automatically, the warning signals being arranged on the box holding the repairing tools.

It is also an important object of this invention to carry it in practice easily and to obtain sure operation and it is a further object of this invention in that the signal board is mounted on the cover and is protruded to a suitable height manually or automatically.

The accompanying drawings show by way of example, constructional embodiments of the invention. In the drawings:

Figures 1 and 2 are respectively a longitudinal side view, and an assembled perspective view of one manually-operated construction;

Figures 3 and 4 are respectively a part-sectional side view, and an assembled side view of a modification;

Figures 5 and 6 are respectively an

assembled front view and sectional side view of another modification;

Figures 7 and 8 are respectively an assembled side view, and a front view, of the essential part of still another modification;

Figures 9 and 10 are perspective views of two simple automatically-operated constructions; and

Figure 11 is a perspective view of a modification.

Referring to the drawings:

In the construction shown in Figures 1 and 2, a signal board 3 having luminous or non-luminous symbols 4 on one side or both sides is mounted on the tip of a lid 2, attached to one side of the body of a tool box 1. Members 5 and 5¹ are provided on the lid and the signal board respectively and engage with each other for the purpose of maintaining the signal board upright when the signal board is raised.

When the tool box is not being used, the tool box body 1 is arranged in a suitable place in the automobile with the signal board 3 folded onto the upper surface of the lid 2 as shown in Figure 1. When a car is to be repaired, the lid 2 is opened and raised from the box body 1, the signal board 3 then being lifted upright as shown in Figure 2. The connectors 5 and 5¹ are engaged so as to maintain the board 3 in the upright position and it is thus located in a position easily noticeable on the road adjacent the place where the car is damaged; temporary repair can then be carried out by the repair tools contained in the tool box 1.

In the construction shown in Figures 3 and 4, to one side of the tool box 1 is hinged a sheath-type lid, provided with outer and inner double walls 2 and 2¹ between which the signal board 3 is freely insertable and retractable. The signal board has lumi-

Fig. 1.

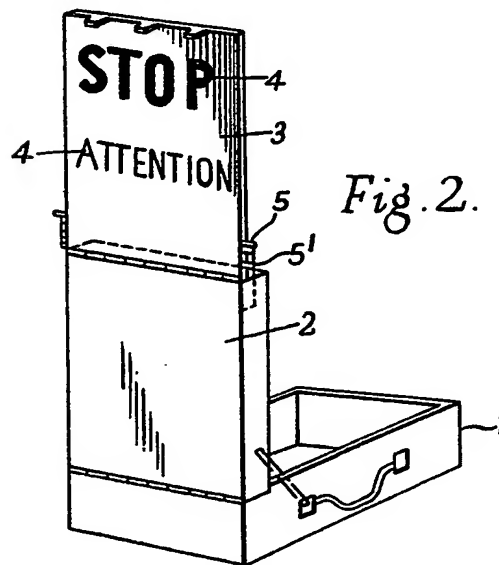
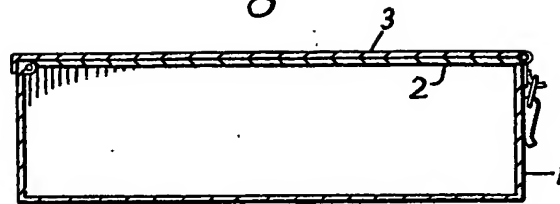
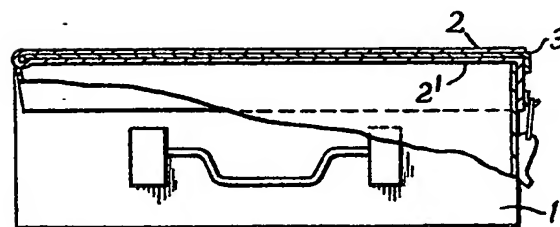
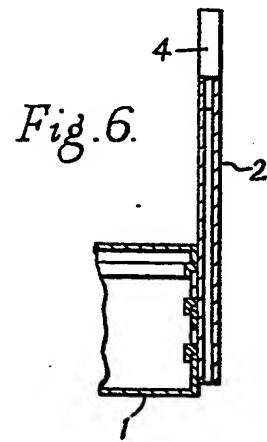
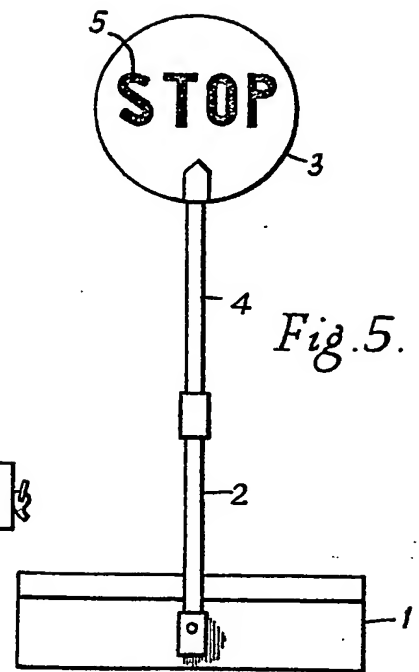
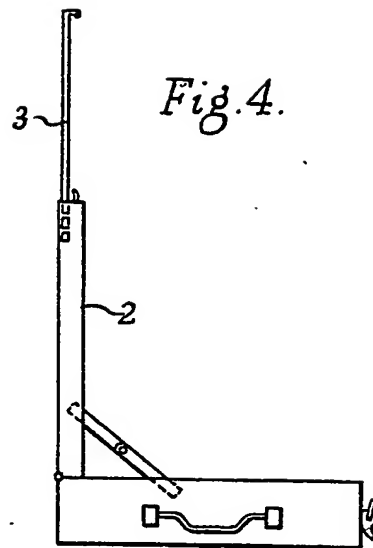
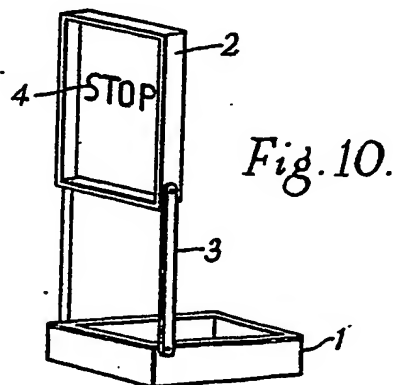
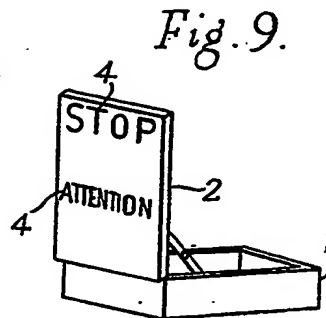
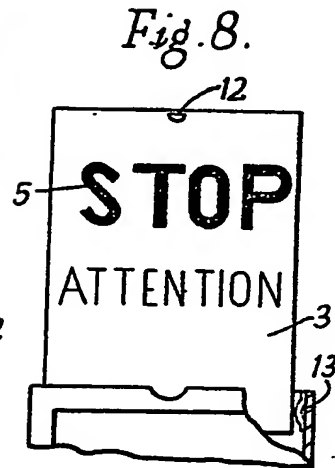
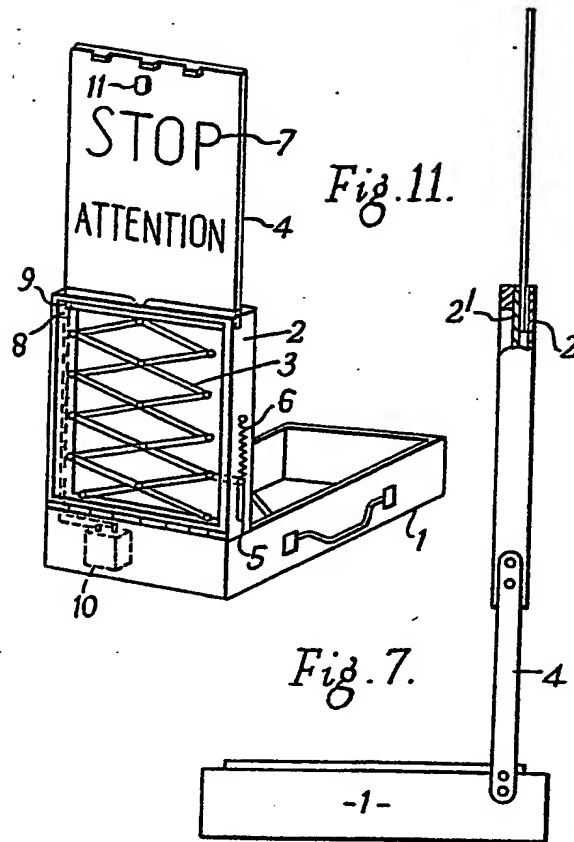
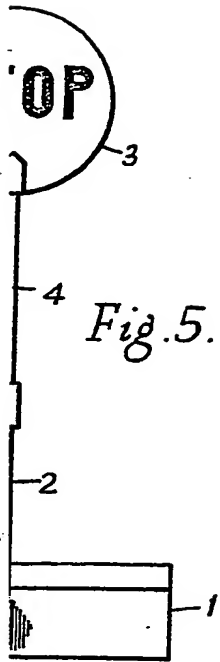


Fig. 2.

Fig. 3.







1005574 COMPLETE SPECIFICATION
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 Sheets 2 & 3

